

COUNTRY : Poland
CATEGORY :

H-29

ABS. JOUR. : RZKhim., No. 1959, No. 73176

AUTHOR : Penczek, S.

INST. :
TITLE : Polyamides -- A New Type of Hardening Agent
for Epoxy Resins. Part I. Preparation and
Properties of Polyamides

ORIG. PUB. : Przem. chem., 1958, 37, No 5, 365-369

ABSTRACT : Polyamides (PA) were prepared by reacting dimerized methyl esters of fatty acids of linseed oil with ethylene diamine, diethylene triamine, triethylene tetramine (TETA), and tetraethylene pentamine (TEPA). Dimerization of the esters was effected in a current of CO₂ at 300° in the presence of 0.03% anthraquinone, for 16 hours; the mixture of esters thus obtained was fractionated in vacuum. The progress of the reaction of PA synthesis was checked on the basis of the amount of water that is formed, or by the change of the amine value (AV). Ethylene diamine - based PA were obtained ranging from elastic solids to non-sticky soft products. To prepare liquid PA, the molecular weight

CARD: 1/3

PENCZEK, S.

Distr: 4E2c(j)

5549

678.643:678.632

Penczek S. Some Reactions of Diepoxy and Epoxy Resins with Diphenols and Phenol-Formaldehyde Resins. 15

"O reakcjach niektórych związków dwuepoksy i żywic epoksydowych z dwufenolami i żywicami fenoformaldehydowymi". Przemysł Chemiczny, Nr. 1, 1958, pp. 35-38, 3 figs., 1 tab.

An examination was made of chemical processes occurring in the course of the hardening of epoxy resins of phenol-formaldehyde resins. It was found that in reaction conditions the process of hardening was determined by the reaction between the phenol groups of phenol-formaldehyde resins and the epoxy groups of epoxy resins. Experiments were carried out on the preparation of new types of linear polyethers of especially high molecular weight in addition reaction from diepoxy compounds and diphenols. Diglycid ethers of resorcin and hydroquinone were used, as also diphenols, including resorcin, hydroquinone, dihydroxydiphenylmethane, and dihydroxydiphenyldimethylmethane. The maximum molecular weight of the products did not exceed 7000. The hardening of polyphenols (novolak) 15 with

diglycid ethers was examined, and it was found that the optimum properties (the thickest cross-linking determined by heat resistance and the percentage of the soluble part of gel) were obtained when the ratio of epoxy to phenol groups was the minimum necessary for total hardening. The preparation of cast resins was examined by melting novolak with epoxy resin. By comparison with pure epoxy resins, the electrical properties of the product were only slightly deteriorated; the stability of the liquid composition at higher temperature proved to be notably dependent on such temperature.

EW
111

4
2-May

PENCZEK, Stanislaw

Studies on the course of synthesis of epoxy plasticizers.
Przem chem 39 no.4:232-236 Ap '60.

1. Instytut Tworzyw Sztucznych, Warszawa

P/014/60/039/004/001/004
A221/A026

AUTHOR:

Penczek, Stanislaw

TITLE:

Investigation of Epoxy- Plasticizer Synthesis

PERIODICAL: Przemysl Chemiczny 1960, Vol. 39, No. 4, pp. 232-236

TEXT: Great importance is attached recently to epoxy compounds of plant oils as plasticizers of vinyl polymers. In the first part of this article, the author discusses briefly the work already done on this subject and described in 7 English references. In all those experiments 50 % hydrogen peroxide and per-acetic and formic acids were used. The author decided to investigate the oxidation of plant oils (in this particular case soybean oil and butyl esters of fatty acids) by means of 25-30 % hydrogen peroxide and acetic and formic acids as active oxygen carriers. Materials used for this experiment were two kinds of soybean oil with iodine numbers 127.0 and 146.0, commercial hydrogen peroxide of 25.6 and 29.1 % H₂O₂ glacial acetic acid, pure formic acid, benzene and as a catalyst 50 % sulphuric acid. In the second part the author describes in detail the process of synthesis and illustrates it with graphs and tables from which the progress of the synthesis can be traced. As the result of investigation, the

Card 1/2

PENCZEK, Stanislaw

Ionic and stereospecific polymerization of organic oxides.
Pt. 3. Wiad chem 17 no.1:29-47 Ja '63.

PENCZEK, Stanislaw, mgr inz., adiunkt

Ionic and stereospecific polymerization of cyclic ethers, Pt. 1.
Wiad chem 16 no.11:643-658 N '62.

1. Kierownik Zakladu Polimeryzacji, Instytut Tworzyw Sztucznych,
Warszawa.

P/016/63/000/001/001/001
D204/D307

AUTHOR:

Penczek, Stanislaw

TITLE:

Ionic and stereospecific polymerization of organic oxides. Part III. The polymerization of β -oxides

PERIODICAL:

Wiadomości Chemiczne, no. 1, 1963, 29-47

TEXT: The present paper is a review based predominantly on Western work. Preparation of β -oxides is indicated. Attention is focussed on the polymerization of oxethane (trimethylene oxide) and 3,3-bis(chloromethyl)oxethane in the presence of various catalysts e.g. BF_3 -ether complexes, $HAOC$, thiethyloxonium fluoborate, $SnCl_4$, H_2SO_4 , etc. but particularly in the presence of gaseous BF_3 . Since only these cases have been studied in any detail, the mechanism of these reactions is discussed in detail, basing the arguments largely on the work of J.B. Rose (J.Chem. Soc., (1956) 542) and on author's own earlier work. The initiation occurs by coordination of BF_3 with the β -atom of the β -oxide, and by association of this coordination complex with a molecule of the co-catalyst (water).

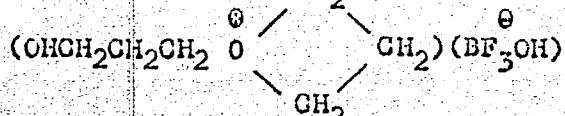
Card 1/1

Ionic and stereospecific ...

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D204/D307

Rate of initiation depends therefore on the product $[BF_3] \cdot [H_2O]$.

The ion pair $\begin{array}{c} CH_2 \cdot CH_2 \cdot CH_2 \cdot OH \\ | \\ CH_2 \end{array}$ ($BF_3 \cdot OH$) forms the more stable tertiary oxonium ion



by reactions with $CH_2 \cdot CH_2 \cdot CH_2 \cdot O$, this chain growth being proportional to the concentrations of oxonium ions and the monomer. Chain termination occurs by the formation of low molecular weight cyclic oligomers at the ends of the growing macrocation. Properties of α - and β -oxides obtained so far are tabulated. There are 4 figures, 2 tables and 37 references: 9 Soviet-bloc and 28 non-Soviet-bloc.

SUBMITTED: May 12, 1962

Card 2/2

PENCZEK, St.; LEGOCKI, M.

Conference on "Chemistry and Technology of Chlorine and Chlorine Compounds," Polimery tworz wielsk 7, no.9:341-342 S '62.

PENCOZEL, STANISLAW

RECEIVED
11/11/68

4
2-May
1

Polyamides, a new type hardener for epoxy resins. I. Preparation and properties of polyamides. Stanislaw Penkozec (Inst. Tworzyw Sztucznych, Warszaw). *Przemysl Chemiczny*, 37, 305-9 (1958) (English summary).—P. prep'd. Me esters of linseed oil which were later polymerized to dimers which in turn were condensed with di- and polyamines to several polyamides. The following di- and polyamines were used: ethylene diamine, diethylenetriamine, triethylenetetramine, and tetraethylenepentamine. Liquid polyamides [designated PA VI(4) and PA VI(0)] have been prep'd., and it was shown that products of the required viscosity (for glues and cast resins) can be obtained by adding monofunctional compds. (monooesters). 18 references.

Distr: 4E2c(j)

W. J. Hendel

p/014/52/041/008/002/003
D204/D307

AUTHORS: Brojer, Zbigniew, Penczek, Stanisław

TITLE: Epoxy resins derived from unsaturated compounds -
synthesis and properties, Part I.

PERIODICAL: Przemysł chemiczny, v. 41, no. 8, 1962, 437 - 440

TEXT: The aim of this paper is to review the present day trends and developments, (based largely on Western works), regarding the epoxydation of unsaturated compounds with a view to producing epoxy resins. Direct catalytic oxidation and cooxidation methods are mentioned and the oxidation of olefins with peracetic acid is treated in some detail. The synthesis and properties of the resin Epoxide 201, produced by the Union Carbide Chemical Co., and of similar materials developed by the same Company are described and compared, particular attention being paid to the methods of hardening and the characteristics of hardened resins. The data are presented in tabular form. It is believed that resins of this type will find wide application as lacquers, especially in the form of epoxy esters.

Card 1/2

PENCZK, Tadeusz

Three-spined stickleback from Iceland *Gasterosteus aculeatus islandicus* Sauvage. Annales zool 22 no.20:441-448 '64.

CARAMAN, Zoe, conf.; PENDEFUNDA, Gh., dr.

Considerations on "mirror" writing. Peculiarities found in various cases. Neurologia (Bucur) 10 no.1:1-9 Ja-F'65.

1. Lucrare efectuata in Clinica de neurologie, Tasi.

PENDIAS, Henryk

Geochemical profiles in the vicinity of Radzimowice in Lower Silesia. Kwartalnik geol 5 no.4:984 '61.

1. Dolnoslaska Stacja Terenowa, Instytut Geologiczny, Warszawa.

RUVIDIC, Rajko; STOJIMIROVIC, Branislav; PENDIC, Smilja;
BROZOVIC-VASIC, Milica

Considerations on anemias in chronic renal insufficiency.
Preliminary communication. Srpski arh. celok. lek. 90 no.2:
155-161 F '62.

1. Interna klinika B Medicinskog fakulteta Univerziteta u
Beogradu Upravnik: prof. dr. Radivoje Berovic Centralna
laboratorija za primenu radioaktivnih izotopa Srpske akademije
nauka i umetnosti u Beogradu Upravnik: prof. dr. Vojislav
Arnovljevic.

(ANEMIA etiol) (KIDNEY DISEASES compl)

S

RUDVIDIĆ, Rajko, dr.; ROLOVIĆ, Zoran, dr.; PENDIĆ, Smilja, dr.; KOSTIĆ, Kosta, dr.

A case of thalassemia minor. Liječn. vjesn. 84 no.7:673-678 '62.

1. Interna klinik "B" Medicinskog fakulteta i Centralna laboratorija za primenu radioaktivnih izotopa u Beogradu.
(ANEMIA ERYTHROBLASTIC)

RUVIDIC, R.; ROLOVIC, Z.; PENDIC, S.; KANJUN, V.

A contribution to the study of the erythropoietic insufficiency and bone marrow aplasia during malignant neoplasms; on a case of generalized cancer of the breast with haemolytic anaemia and bone marrow aplasia. Acta med. jugosl. 15 no.3:241-250 '61.

1. Medical Clinic "B" Medical Faculty, University of Belgrade, Central Laboratory for Radioactive Isotopes Application, Serbian Academy of Sciences, Belgrade and Institute of Pathology, Medical Faculty, University of Belgrade.

(BREAST NEOPLASMS compl) (ANEMIA HEMOLYTIC etiol)
(ANEMIA APLASTIC etiol)

MERKAS, Zlatko; BEKERUS, Miles; PENDIC, Smilja

Radioactive iodine in the treatment of thyroid cancer. Srpski arh.
celok. lek. 88 no.10:1005-1009 0 '60.

1. Radioteknički institut Medicinskog fakulteta Univerziteta u Beogradu.
Upravnik: prof. dr Begoljub Bosnjakovic.

(IODINE radioactive) (THYROID GLAND neopl)

PENDIC, S.; MERKAS, Z.; BEKERUS, M.; NESTOROVIC, N.

Quantitative studies on erythropoiesis in malignant diseases irradiated by therapeutic doses of ionizing radiations. Prim. radioaktiv.izotop. 2 no.3:36-44 D 61.

1. Radicloski Institut Medicinskog fakulteta u Beogradu Upravnik Prof. Dr. B. Bosnjakovic.
(CHROMIUMISOTOPES) (ERYTHROCYTES) (RADIOTHERAPY)
(NEOPLASMS) (HEMATOPOIESIS)

RISIĆ, Milosav; PENDIĆ, Smilja; BANICEVIĆ, Bozidar; NESTOROVIĆ, Nadezda.

Clearance of bromsulphalein and colloidal radiogold in liver
function tests. Srpski arh. celok. lak. 93 no.2:121-130 F ' 65.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu
(Upravnik: prof. dr. Branislav Stanojević); Radioloski institut
Medicinskog fakulteta Univerziteta u Beogradu (Upranik: prof. dr.
Bogoljub Bosnjaković).

BEROVIC, Radivoje; prof. dr.; RUVIDIC, Rajko; ROLOVIC, Zoran; PENDIC,
Smilja; BROZOVIC, Milica.

Hemolytic anemia. Clinical and hematological considerations.
Srpski arh. celok. lek. 92 no.11:1049-1062 N'64.

1. Interna klinika B Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Radivoje Berovic); Centralna laboratorija za primenu radioaktivnih izotopa Radioloskog instituta Medicinskog fakulteta Univerziteta u Beogradu (Upravnik: prof. dr. Bogoljub Bosnjakovic).

STEFANOVIC, Stanoje; KONECNI, Josii; PENDIC, Smilja; SIMIC, Nada;
PERISIC, Zivka

Refractory hypersideremic anemias. Srpski arh. celok. lek. 89 no.12:
1399-1411 D '61.

1. Interna klinika A Medicinskog fakulteta Univerziteta u Beogradu
Upravnik: prof. dr Branislav Stanojevic Radioski institut Medicinskog
fakulteta Univerziteta u Beogradu Upravnik: prof. dr Bogoljub
Bošnjakovic.

(ANEMIA HYPERCHROMIC)

L 31304.66 EWT(m)/EWP(j) WW/JW/RM

ACC NR: AP6021663

SOURCE CODE: UR/0079/66/036/003/0397/0401

AUTHOR: Pordin, A. A.; Zakhar'yevskiy, N. S. (Deceased); Leont'yevskaya, F. K.

76

B

ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet)

TITLE: Chemical heat and entropy of hydration of the ferricinium cation

SOURCE: Zhurnal obshchoy khimii, v. 36, no. 3, 1966, 397-401

TOPIC TAGS: entropy, hydration, cation, heat of reaction, isobaric potential, electromotive force, ion concentration, intermolecular complex

ABSTRACT: The change in the isobaric potential, the heat of reaction, and the entropy of reaction were determined by a potentiometric method at 25°C for the reaction $\frac{1}{2}H_2 + Fe(C_5H_5)_2^+ \rightleftharpoons Fe(C_5H_5)_2 + H^+$ in aqueous solution. The standard entropy and chemical heat of hydration of the ferricinium cation in aqueous solution at 25°C were calculated from these values. The absence of any appreciable complex formation of the ferricinium cation with the chloride ion at 25°C within the interval of chloride ion concentrations from 0 to 0.1 M was demonstrated in an investigation of the electromotive force of the galvanic cell compiled from an electrode reversible with respect to the ferricinium cation and a glass electrode, as a function of the variable KCl concentration. Orig. art. has: 1 figure, 1 formula and 1 table. [JPRS]

SUB CODE: 07 / SUBM DATE: 22Mar65 / ORIG REF: 005 / OTH REF: 003

LS
Card 1/1

UDC: 536.6+536.75:542.934

PENDIN, A.A.; ZAKHAR'YEVSKIY, M.S. [deceased]; KUZNETSOVA, I.N.

Conductance of solutions of the two 1,1-electrolytes
with the identical ion. Vest. IGU 20 no. 22:115-121 '65.
(MIRA 18:12)

PENDIN, A.A.; ZAKHAR'YEVSKIY, M.S.

Determination of the conductance of the solvent in the case of an
electrolyte with a common ion. Elektrokhimiia 1 no.6;751-754 Je '65.
(MIRA 18:7)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova.

NIKOL'SKIY, B.P.; PENDIN, A.A.; ZAKHAR'YEVSKIY, M.S.

Electrode reversible toward a ferricinium cation. Dokl. AN SSSR
160 no.5:1131-1132 F '65. (MFA 18:2)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.
2. Chlen-korrespondent AN SSSR (for Nikol'skiy).

E 20229-65 EWT(m)/EPF(c)/EXP(j) PC-4/Pr-4 RM
ACCESSION NR: AP4149099 S/0075/64/019/011/1407/1408

AUTHOR: Nikol'skiy, B.P., Zakhar'yevskiy, M.S., Pendin, A.A.

TITLE: Determination of ferrocene B

SOURCE: Zhurnal analiticheskoy khimii, v. 19, no. 11, 1964, 1407-1408

TOPIC TAGS: ferrocene determination, ferriferro system, Nernst equation, ferricinium cation, redoximetric analysis

ABSTRACT: A redoximetric method for the quantitative determination of ferrocene in acetic acid solution is described. The oxidative potential of the ferriferro system in 2 N HCl, at an overall concentration of the iron salt of 10^{-3} M, strictly obeys the Nernst equation and does not depend, within 1 mv limits, on additions of the other reagents up to 6-8%. This property of the ferriferro system permits a quantitative determination of ferrocene in acetic acid solution in the presence of the ferricinium cation, as well as analysis of the purity of the ferrocene preparation. A solution with a known concentration of FeCl_3 in 2 N HCl is added to the ferrocene solution in acetic acid. The precipitating ferrocene redissolves during oxidation by the iron salt. The oxidation potential is determined relative to a saturated calomel electrode. The error was 0.6%, although it could reach 1-2% for less careful determinations. Orig. art. has: 1 table and 2 formulas.

Card 1/2

1 20229-65
ACCESSION NR: AP4049099

ASSOCIATION: Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova (Leningrad State University)

SUBMITTED: 27Jan64 ENCL: 00 SUB CODE: OC

NO REF Sov: 002 OTHER: 002

Card 2/2

ACC NR: AP7012439

SOURCE CODE: UR/0079/66/036/012/2048/2052

AUTHOR: L'vova, T. I.; Pendin, A. A.; Shirko, K. D.; Nikol'skiy, B. P.

ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet)

TITLE: Standard thermodynamic constants of the reduction of the (ferricenylmethyl) trimethylammonium cation to the (ferrocenylmethyl)trimethylammonium cation with hydrogen in an aqueous solution

SOURCE: Zhurnal obshchey khimii, v. 36, no. 12, 1966, 2048-2052

TOPIC TAGS: ferrocene, aqueous solution, hydrogen, electrochemical analysis, cation

SUB CODE: 07

ABSTRACT: (Ferrocenylmethyl)trimethylammonium perchlorate ($F^+ClO_4^-$) was prepared by precipitation of an F^+ I solution with $KClO_4$. On the basis of the curves of potentiometric titration of $F^+ClO_4^-$ with $K_2Cr_2O_7$ or H_2O_2 , the normal potential of the system F^+ cation - (ferricenylmethyl)trimethylammonium cation F^{++} in an 1 N KCl solution was 0.604 ± 0.001 v. The standard redox potentials of $F^{++} - F^+$ at 15, 25, and 35° were determined from the relations between the e.m.f. of the cell Pt/ F^{++} , F^+ ; HCl/glass electrode and the ionic strength of the solution at these temperatures. On the basis of the data obtained, the

UDC: 546.171.1:541.138.2

0932 1390

Card 1/2

ACC NR: AP7012439

standard thermodynamic constants of the reduction of F^{++} to F^+ with hydrogen at 25°C were determined at $\Delta G^\circ = -15.17 \pm 0.3$ kcal., $\Delta H^\circ = -21.1 \pm 0.3$ kcal., and $\Delta S^\circ = -23 \pm 1$ entropy units. The titration data indicated that the $F^+ \rightarrow F^{++}$ reaction was electrochemically reversible. Orig. art. has: 2 figures and 4 formulas. [JPRS: 40,422]

2/2

PENDIN A.R.

P 2

PHASE I BOOK EXPLOITATION

SOV/3687

USSR. Ministerstvo svyazi. Tekhnicheskoye upravleniye

Novaya apparatura elektrosvyazi i elektropitaniya; informatsionnyy sbornik.
(New Electro-Communication and Power Supply Equipment; Collection of
Information) Moscow, Svyaz'izdat, 1959. 100 p. (Seriya: Tekhnika svyazi)
13,300 copies printed.

Resp. Ed.: V.A. Lipkina; Eds.: Ye.S. Novikova and N.M. Mondrashina;
Tech. Ed.: S.F. Karabilova.

PURPOSE: This collection of articles is intended for technical personnel of
the Ministry of Communications USSR and its subordinate telecommunication
establishments.

COVERAGE: The articles in this collection describe various new pieces of Soviet
equipment used in electrical communications systems. These include:
broadcast studio equipment, mobile audio amplifiers, transformers, cable
racks, converters, rectifiers, and switchboards. No personalities are
mentioned. References accompany the articles in footnotes.

Card 1/6

New Electro-Communication (Cont.)

80V/3687

TABLE OF CONTENTS:

Foreword

3

Lipkina, V.A. New Radio Broadcasting Channel Studio Equipment
The author lists operational and structural requirements established for the audio frequency channel in modern broadcasting systems. She also presents some ideas on design and production problems of studio equipment described, and lists its component units.

Pendin, A.K. USP-101-1 Standard Mobile Amplifier Station 16

This station is used as a basic element of public address systems. The author lists the component elements, describes the basic diagrams of the audio frequency circuits, and discusses setting up the station.

Meter, Ch.M., and B.K. Baranovskiy. A.G. Ch. "Talking Clock" Unit 24
This device provides telephone time service. The authors describe its principle of operation, and the block diagram of the unit

Card 2/6

New Electro-Communication (Cont.)

SOV/3687

Meter, Ch. M. TF - 200 Line Transformer with Lightning Arrester.

31

This power transformer is designed for operation with overhead transmission lines of wire broadcasting systems. The author describes the diagram and design of the transformer

Filippov, V.N. Subscribers Telegraph Station of the ATA-M Low Capacity Systems

34

This station is designed for installation in oblast or rayon communication centers of the subscribers' automatic telegraph system. Its capacity is 10 subscribers' installations and 3 voice-frequency channels

Brud, V.G. VKS Lead-In Cable Cabinet Racks

41

The author lists a variety of racks for connecting balanced cables of varying capacity. A table indicates the types of mounting plates for each rack. The author also describes circuit diagrams and operation of the rack assemblies.

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New Electro-Communication (Cont.)

SOV/3687

Filippov, V.N. VS-80 Lead-In Rack

46

The author briefly describes the structure and operation of this rack, which serves for connection and commutation of communication cables and over-head lines, and for protection of station equipment.

Brodskiy, M.V., G.A. Vol'fson, and V.D. Shoshenkov. Constant Voltage Direct Current Converters with Transistor Triodes

49

These converters provide power supply for communication equipment by means of a single battery. The article also describes converter operating principle, advantages and disadvantages, field of application and components. The results of experiments with 3 types of converters are shown in a table.

Colubey, L.S. VSS-36/30 Rectifier Assembly

60

The rectifier serves as a power supply for equipment used in intra-rayon and intra-oblast telecommunications and in dial telephone systems. The author gives the circuit diagram and design of the assembly.

Zunder, G.M. (Deceased) VT-61/4-2 Rectifier Assembly

60

The rectifier serves as a batteryless power supply for automatic telephone stations having 100 subscribers. The author presents its basic diagram and structural features

Card 4/6

New Electro-Communication (Cont.)

SOV/3687

Avtsyn, N.P. BShch-100/1, BShch-200/1, BShch-400/1, and BShch-1000/1
Modernized Battery Switchboards

73

The basic operating principle of these modernized switchboards remains the same as in previous models, but the arrangement of the elements is changed to make the board more flexible when a variety of connections is required. The article describes the basic circuit diagram and structural details of the switchboards.

Avtsyn, N.P., and G.M. Zunder (Deceased). ShchMG-8 Switchboard for Motor-Generator

77

Early model switchboards for motor-generators are obsolete from a structural point of view and thus the new ShchMG-8 model has been developed. The article briefly describes the circuit diagram and structural details of the switchboard.

Avtsyn, N.P. and G.M. Zunder (Deceased). TRShch-8 Distributing Board
The board serves for commutation of plate and filament circuits of the equipment at toll centers and repeater stations. The author presents disadvantages of earlier models of the boards, and the circuit

81

Card 5/6

New Electro-Communication (Cont.)

SOV/3687

diagram and structural details of the new board.

Konstantinova, L.S. KMOK-1 Combined Switchboard

86

The switchboard connects local subscribers among themselves and connects long distance lines with local telephone network subscribers and with those of the automatic telephone system. The article describes circuit diagrams of various combinations of connections, structural details of the components and the assemblies as the whole.

Vigdorchik, M.M. BUS-4 Drilling Rig

96

The rig drills the holes for overhead line poles. The author describes the functional diagram, design, and operation of the assembly.

AVAILABLE: Library of Congress

Card 6/6

KM/klm/gmp

7-18-60

KIRYUSHCHENKOV, A.P., kand.med.nauk; PENDLER, M.B.; TRANDOFILOVA, I.
(Moskva)

Book reviews. Fel'd. i akush. 28 no.8:58-63 Ag'63 (MIRA 16:12)

1. Zaveduyushchiy meditsinskim punktom, Pelinovska, Vinnitskoy
oblasti (for Pendler).

PENDLER, M.B., fal'dsher (selo Pelinovka Vinnitskoy oblasti)

Experience in prophylactic work, Fel'd. i akush. 27 no.12;
39-41 D!62. (MIRA 16:7)
(CHERNEVTSY DISTRICT—MEDICINE, PREVENTIVE)

PENDRAKOVSKIY, V. T., Cand Tech Sci -- "Study of the incomplete oxidation of
methane under pressure for the production of technological gas." Mos, 1960
(Min of Higher and Secondary Specialized Education RSFSR. Mos Order of Lenin
Chemicotechnological Inst im D. I. Mendeleyev). (KL, 1-61, 195)

-224-

URUVAYEVA, G.D.; PENDYURINA, T.Ye.

Thermal analysis in the determination of the heat of dehydration
of $4\text{CaO} \cdot \text{Al}_2\text{O}_5 \cdot \text{Fe}_2\text{O}_3$. Izv. SO AN SSSR no.11 Ser.khim.nauk.no.3:
26-29 '63. (MIRA 17:3)

1. Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

L 55 08-65 ENT(n)/EPP(n)-2/EWA(h) Pu-4 DM

ACCESSION NR: APS014536

UN/0089/65/018/005/0469/0473

AUTHOR: Golubev, V. I.; Zvonarev, A. V.; Nikolayev, M. N.; Orlov, M. Yu.; Penenko, V. V.; Uzladze, G. P.

TITLE: Propagation of neutrons in iron

SOURCE: Atomnaya energiya, v. 18, no. 5, 1965, 469-473

TOPIC TAGS: reactor shield, neutron propagation, fast neutron, intermediate neutron, self screening, resonance blocking

ABSTRACT: Results are presented of an experimental and theoretical study of the spatial-energy distribution of neutrons in the iron shield of the BR-1 reactor. The neutron distribution was determined in the plane of the center of the reactor and in vertical test channels of the core and of the shield, using fission chambers with layers of Pu^{239} , U^{239} , and Th^{232} , and activation detectors based on the (n, γ) and (n, p) reaction. The experimental results are illustrated in Fig. 1 of the Enclosure. The results are compared with multi-group calculations in the approximation of one-dimensional and two-dimensional geometry. It is shown that the use of the system of constants for iron, introduced by Abagyan et al. (Gruppovye konstanty bstrykh i promezhutochnykh neitrakov dlya rascheta yadernykh reaktorov

Card 1/32

L-55158-65

ACCESSION NR: AP5014536

2

[Group Constants of Fast and Intermediate Neutrons for the Calculation of Nuclear Reactors], M., Atomizdat, 1964) makes it possible to obtain satisfactory agreement between experiment and calculation, by taking into account the resonant self-shielding of the cross sections. However, these constants cannot be used to calculate the spatial-energy distribution of the neutrons on the boundary between iron and other media. It is pointed out that alloying of iron greatly reduces the resonance effects. "The authors are deeply grateful to the late I. I. Bondarenko for interest in the work and useful discussions, and also to the crew of the BR-1 reactor for help and K. I. Masterov for continuously participating in the presentation of the results." Orig. art. has: 4 figures and 2 tables. [02]

ASSOCIATION: none

SUBMITTED: 16Mar64

ENCL: 01

SUB CODE: NP

NO REF NOV: 007

OTHER: 001

ATD PRESS: 4024

Card 2/3

VINER, K.S.; PENENKOV, B.L.

Use of plastiline and adhesive plaster in the practice of museum
work. Lab.delo 8 no.8:50 Ag '62. (MIRA 15:9)

1. Patologoanatomiceskoye otdeleniye (zav. - dotsent K.S.Viner)
Odesskogo okruzhnogo voyennogo gospitalya.
(MUSEUM TECHNIQUES)

PENENKOV, B.L.; FIKS, A.F.

Diagnosis of echinococcosis of the abdominal cavity. Klin.
khir. no.2:66-69 '65. (MIRA 18:10)

1. Patologoanatomiceskoye otdeleniye (zav.- N.B. Zelenova)
1-y Odesskoy gorodskoy klinicheskoy bol'nitsy.

PENENKOV, B.L. (Odessa)

Rapid imbedding in celloidin; a new methodology. Arkh. pat.
no.10:60-61 '64. (MIRA 18:10)

1. Patologoanatomiceskoye otdeleniye (zav.- B.L. Penenkov)
Basseynovoy bol'nitsy moryakov ChAVZO (glavnnyy vrach Ye.S.
Podurets.)

USSR / Human and Animal Morphology (Normal and Pathological). Methods and Technique of Investigation.

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16862

Author : Penenkov, B. L.

Inst : Not given

Title : Simplified Staining of Sections for Urgent Biopsies

Orig Pub : Arkhiv patologii, 1957, 19, No 2, 83

Abstract : For urgent histological analysis of tumors, the following method is recommended: fast fixation in warmed 10% formalin, preparation of sections on a freezing microtome, staining in a solution of toluidine blue for the duration of several seconds, rinsing in tap water, and inclusion

Card 1/2

3

USSR / Human and Animal Morphology (Normal and Pathological). Methods and Technique of Investigation.

S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16862

into a drop of water or glycerin. -- Ye. V. Ryzhkov

MAKHKAMOV, K., aspirant; PENEZHIK, M.A., laborant; VIRNIK, A.D.,
starshiy nauchnyy sotrudnik; ROGOVIN, Z.A.

Investigating the resistance to heat and fading of the graft
polymers of cellulose. Tekst. prom. 24 no.5:62-66 My'64
(MIRA 18:2)

1. Institut khimii AN Tadzhikskoy SSR (for Makhkamov).
2. Kompleksnaya nauchnaya laboratoriya kafedry khimicheskikh volokon Moskovskogo tekstil'nogo instituta (for Penenzhik).
3. Moskovskiy tekstil'nyy institut (for Virnik).
4. Zavedeniushchiy kafedroy khimicheskikh volokon Moskovskogo tekstil'nogo instituta (for Rogovin).

KHOMEAKOV, K.P.; PENENZHJK, M.A.; VIRNIK, A.D.; ROGOVIN, Z.A.

Synthesis of dialdehyde and dicarboxyl dextrans. Vysokom. soed. 7 no.6:
1030-1034 Je '65.
(MIRA 18:9)

1. Moskovskiy tekstil'nyy institut.

KHOMYAKOV, K.N.; VIRNIK, A.D.; USHAKOV, S.N. [deceased]; ROGOVIN, Z.A.;
{Prinimal uchastiye; PENEZHIK, M.A.

Synthesis of polymeric medicinal compounds based on dextran derivatives.
Vysokom. soed. 7 no.6:1035-1040 Je '65.
(MIRA 18:9)

1. Moskovskiy tekstil'nyy institut.

PENEV, B.N.

ARBUZOV, B. A., KLANDNITSKAYA, Ye. N., PENEV, B. N. and FAUSTOV, R. N.

"Elastic Scattering of Λ -Hyperons and K^0 -Mesons on Hydrogen"

report presented at the Intl. Conference on High Energy Physics, Geneva,
4-11 July 1962.

Joint Institute for Nuclear Research
Laboratory of High Energies, Dubna, 1962

PENEV	COUNTRY : Bulgaria	H-28
	CATEGORY :	
	ABS. JOUR. : RZKhim., No. 1959, No. 73050	
	AUTHOR : <u>Penev, P.</u> ; Rupenyan, V.; Prodanskiy, P.	
	INST. :	
	TITLE : Khemus -- A New Kind of Cheese Made from Cow's Milk	
	ORIG. PUB. : Zhivotnovodstvo i vet. delo, 1958, 12, No 2, 21-23	
	ABSTRACT : The milk is heated to 85° and kept at this temperature for 20-30 minutes, it is then cooled to 39-41° and before addition of ferment (5-30 ml of lactic acid ferment from Str. lactis and Streptobact. casei, or 20-25 ml of rennet ferment) 40-70 ml concentrated HCl are added per each 100 liters of milk (after dilution with pasteurized water at a ratio of 10 ml HCl per 1.5 liters of water), or pastuerized whey having an acidity of up to 55-60° Turner, in order to adjust the acidity of the milk to 23-25° Turner. To the milk are also added 30-40 ml 50% solution of CaCl ₂ (and if necessary 20-40 g KNO ₃). Curdling lasts for 90-120 minutes. Lumps of the cheese curd are washed for 60 minutes	
	CARD: 1/2	

98

Country : Poland
Category :

H-29

Abe. Jour. :

47814

Author : Penczek, S.

Institut. :

Title : Reactions of Di-Epoxy-Compounds and Epoxy-Resins
with Di-Phenols and with Phenol-Formaldehyde
Resins.

Orig Pub. : Przem. chem., 1958, 37, No 1, 35-38

Abstract : Study of the mechanism of hardening of epoxy-resins with phenol-formaldehyde resins, conducted with the use of study-model compounds, has shown that the main process is an interaction between epoxy-groups and phenolic hydroxyls. On reaction of diglycidic ethers with diphenols there were obtained linear polymers of molecular weight < 7000. On hardening of phenol-formaldehyde resins with di-epoxides the optimal characteristics were obtained at minimal ratio of epoxy-groups to phenolic hydroxyls necessary to effect hardening. Dielectric characteristics of hardened resin compositions closely approximate those of epoxy-resins hardened with acid anhydrides and amines. -- L. Pesin.

Penczek S.

3
2 May
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678,613

Penczek S. Polyamides — a New Type of Epoxy Resin Hardeners I.
"Poliamidy — nowy typ utwardzający żywic epoksydowych". I.

Przemysł Chemiczny, No. 5, 1958, pp. 305—309, 3 figs., 6 tabs.

The following processes have been worked out on laboratory scale: the preparation of methyl esters of fatty acids of linseed oil, their polymerization, and the preparation of dimerized esters. Simple methods of control of these processes have worked out by measuring the physical constants of the products obtained. Several polyamides were prepared from dimerized methyl esters of fatty acids and di- and polyamines, including: ethylenediamine, ethylenetriamine, triethylene-tetramine, and tetraethylenepentamine, at various molar ratios of diester to di- or polyamine. An examination was made of the dependence of softening points and amide numbers of polyamides on the type of amino used and the molar ratio of diester to di- or polyamine. Liquid polyamides PA VI (4) and PA VI (5) were prepared, and it was shown that the products of the viscosity required for some uses (as glues, cast resins) could be obtained by adding monofunctional compounds (monoesters).

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J.H.

PENDE, B.

BRIHTA, I.; VRANJICAN, D.; PENDE, B. "Contribution to the knowledge of copper hydrogenation catalysts."

Arhiv Za Kemiju, Zagreb, Vol 25, No 3, Dec 1953, p. 121

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

PENDE, B.

Water-repellent finishes for textiles. p. 11

TEKSTIL, Zagreb, Vol 5, No. 1, Jan, 1956

SO: EEAI, Vol 5, No. 7, July 1956

PENDE, B.

U

Copper hydrogenation catalysts. I. Brihta, B. Vranjan, and B. Pende (Inst. Ind. Research, Zagreb, Yugoslavia). *Actas. Acad. Zem.* 25, 121-4 (1953) (English summary).—Cu chromite catalysts become inactivated by catalytic hydrogenations, and this was assumed to be due to a reduction of CuO to Cu₂O and (or) Cu. Expts. were made (I) with a Ba-activated Cu chromite catalyst according to Adkins, (II) with a catalyst CuO:CaO:Cr₂O₃ = 10:10:5, and (III) with a Raney Cu catalyst. All 3 catalysts were used to hydrogenate Et oleate to octadecanol (IV), and the same results were obtained by using either 17% I, 18% II, or 8% III; the obtained IV having in each case a sapon. value of 0, an iodine value of 0, an acetyl value of 175-185, a m.p. (after recrystn. from acetone) of 65-66° if the expts. were started at 100-135 atm. and the temp. raised to 200-230° for 2.3-3.5 hrs., during which time the pressure rose to 200 atm.. This shows that the older ideas about catalyst inactivation are untenable, and this is corroborated by thermodynamic considerations: (1) CuO + H₂ = Cu + H₂O, -30,800 + 10.07 kcal.; (2) 2CuO + H₂ = Cu₂O + H₂O, -44,800 + 11.27 kcal.; (3) Cu₂O + H₂ = 2Cu + H₂O, -27,300 + 22.47 kcal. Reaction (2) thus is most favored, and reaction (3) is the least favored one. Therefore the inactivation of the Cu chromite catalyst is due to the formation of Cu₂O in coarse crystals, which then are difficult to reduce or to disperse. Werner Jacobson
②

PENDIAS, H POLAND / Cosmochemistry. Geochemistry. Hydrochemistry.

D

Abs Jour : Ref Zhur - Khimiya, No 19, 1959, No. 34502

Author : Pendias, Henryk

Inst : Not given

Title : On Certain Czechoslovak Deposits of Zinc, Lead, Tin and Wolfram

Orig Pub : Przegl. geol., 1958, 6, No 8-9, 398-401

Abstract : No abstract given

Card 1/1

D - 1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239920006-9
Category: Cosmochemistry. Geochemistry. Hydrochemistry.

Abs. Jour. : Ref Zhur - Khimiya, No 6, 1959 18867

Author : Walenczak, Z.; Pendias, H.

Institut. : Polish Academy of Sciences

Title : Gallium in Igneous and Metamorphic Rocks of Lower Silesia.

Orig. Pub. : Bull. Acad. polon. sci. Ser. sci. chim. geol. et geogr., 1958, 6, No 1, 75-80

Abstract : By the spectrographic method (intrinsic standard In) a study was made of 47 specimens of granites, spilite, diorites, lamprophyre, granodiorite, syenite, gabbro, bytownite, basalts, diabases, melaphyres, gneisses, eclogite, granulite, amphibolites and serpentinites. Total chemical composition of these rocks is given. Range of Ga content for all specimens $2 \cdot 10^{-4} - 2 \cdot 10^{-3}$ %; values of Ga : Al $\cdot 10^{-4}$ ratio are 1.2 - 4.1. Range of Ga content in granites $9.5 \cdot 10^{-4} - 1.75 \cdot 10^{-3}$ %, in diorites and gabbro $6.5 \cdot 10^{-4} - 1.9 \cdot 10^{-3}$ %, in basalts and diabases $1.65 - 1.95 \cdot 10^{-3}$ %; values of Ga : Al $\cdot 10^{-4}$ ratio, respectively, 1.4-2.5;

Card: 1/2

PENDISA, H.

The rentability of dressing poor molybdenties.

P. 472,)(Przeglad Geologiczny, Vol. 4, no. 10, Oct. 1956, Warszawa, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,
February 1958

PENDIAS, Henryk

Notes on the weathering of basalt in the region of Legnica and Luban
Slaski. Kwartalnik geol 5 no.2:429-445 '61.

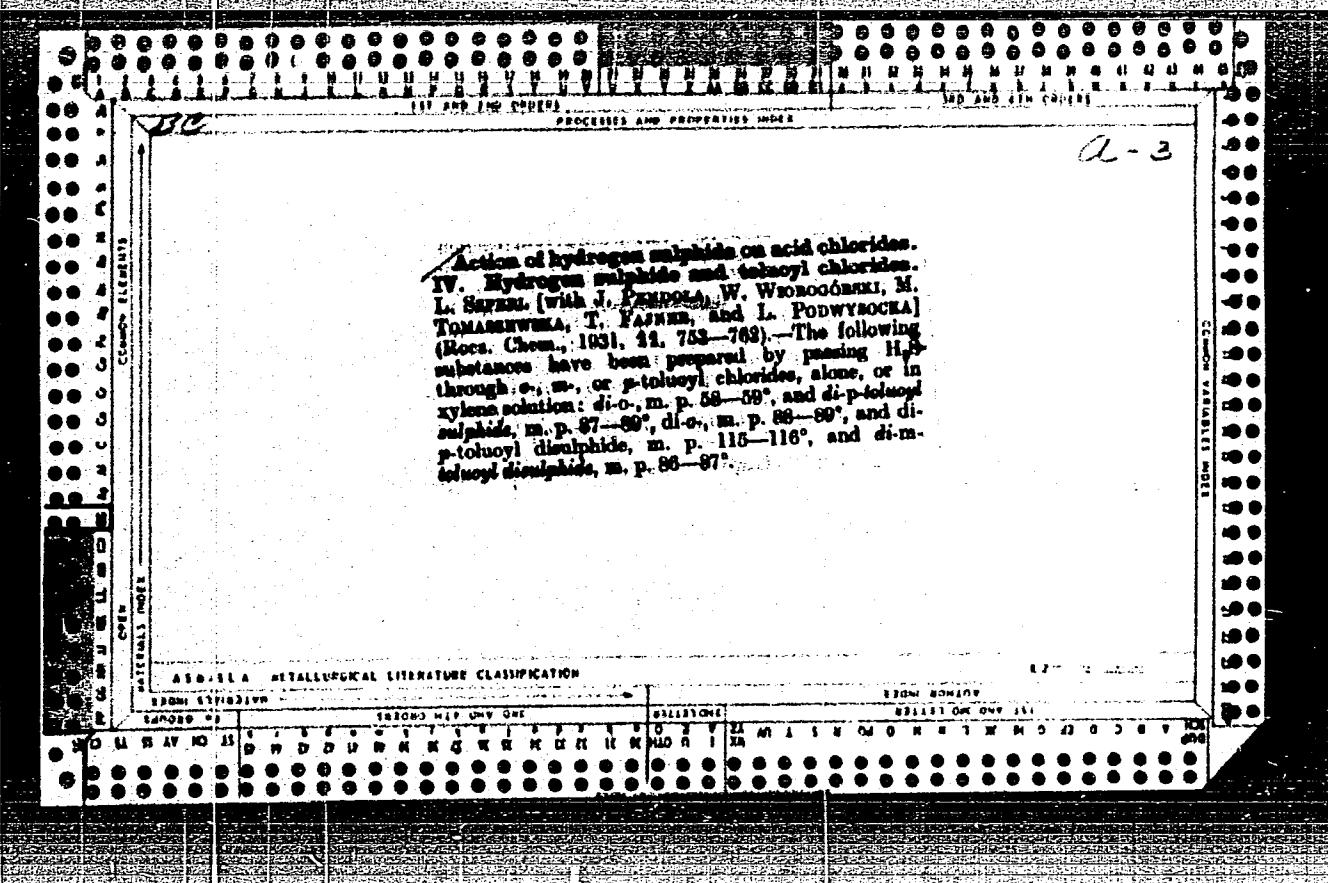
1. Dolnoslaska Stacja Terenowa Instytutu Geologicznego.

PENDL, F.

PENDL F.

Periduralanesthesia. *Peridural anesthesia* 7 Prakt. Arzt 4:40
15 Sept 50 p. 471-3.

1. NAI
CLML Vol. 20, No. 2 Feb 1951



Action of hydrogen sulfide on acid chlorides. IV. Hydrogen sulfide and toluyl chlorides; LUDWIK SĘPIK, JANINA PENDOLANKA, WŁADYŚLAW WIĘGOROGSKI, MARJA TOMASZEWSKA, TEKLA FAJMEROWNA AND LIDIA PODWIĘCKA. Roczniki Chem. 11, 73-82(761-2 in French)(1931); st. C. 4, 25, 938.—The action of H_2S without a solvent on σ -, m -, and p -toluyl chloride gave exclusively the corresponding disulfides (RCS_2). In boiling xylene soln. in addn. to disulfides, the corresponding monosulfides, $(RCO)_2S$, were also obtained. $Di-\sigma$ -toluyl disulfide, $C_8H_{14}S_2$ (I), formed by bubbling H_2S into σ -toluyl chloride during 42 hrs. at $105-10^{\circ}$, m. $88-9^{\circ}$; (Weigert, Ber. 36, 1012(1903)) gives $62-75\%$; in xylene at the b. p. in addn. to I, $Di-\sigma$ -toluyl sulfide, $C_8H_{12}S_2$, is formed. Crystd. from C_6H_6 , m. $68-9^{\circ}$; traces of Na_2CO_3 or Li_2CO_3 cause a purple coloration at 65° or 85° , resp. Analogously to I, $Di-m$ -toluyl disulfide, m. $80-7^{\circ}$, is formed from m -toluyl chloride and H_2S . $Di-p$ -toluyl disulfide, needles from acetone, m. $115-6^{\circ}$. The latter gives on boiling in xylene with $HgCl_2$ the salt of thiotoluic acid. $Di-\sigma$ -toluyl sulfide, m. $87-9^{\circ}$. J. WIĘTEŁAK

10

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920006-9"

PEN'DOVSKAIA, A.T.

PEN'DOVSKAIA, A. T.

Intrabronkial'noe primenenie streptomitsina i PASK pri razdutoi kaverne (redvaritel'noe soobshchenie). (Intra-bronchial administration of streptomycin and PAS in distended cavern; preliminary Prot. tuberk., Moskva No. 2 Mar-Apr 51 p. 33-7.

1. Of the Republic Scientific-Research Tuberculosis Institute of Lithuanian SSR (Scientific Supervisor--L. Koganas), GIML Vol. 20, No. 10 Oct 1951

PENCHEVSKIY, Sh., shofer.

Prolonging the life of storage batteries. Avt.transp. 34 no.11:35
N '56.
(MLRA 9:12)

1. Avtobusno-taksomotornyy park, g.Rovno.
(Automobiles--Batteries)

CZECHOSLOVAKIA/Forestry - Forest Cultivation:

Absour : Ref Zhur - Biol., No 9, 1958, 39114 K-5
Author : Pencik, J.
Inst :
Title : Contribution to the Problem of Unsuccessful Afforestation of Glades Caused by Natural Calamities.
Orig Pub : Lesn. prace. 1956, 35, No 12, 530-537.
Abstract : Possibilities of afforestation of glades in pure spruce plantations on heavy clayey soil (Brdsky mountains, 500-700 m over the sea level) are examined in this study. It is indicated that one of the reasons for the failure of plantings is that old turfy glades were planted with hard leaf species (ash, maple, elm), which need the protection of soft leaf species. Without a protective canopy, only such trees as larch, pine, spruce, oak and partially hornbeam can survive. A simultaneous planting in one hole of the principal specie and of the

Card 1/2

CZECHOSLOVAKIA/Forestry - Forest Cultivation.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001239920006-9" K-5
Absour : Ref Zhur - Biol., No 9, 1958, 39114

protective one is recommended. It is recommended to use along with seedlings, three year old sets, with the exception of willow and aspen, when there is no sufficient moisture. It was noted that planting in "fissure" produced good results.

Card 2/2

MIKULICIC, Visnja, ing; PENDE, Ana, ing.; FILAJDIC, M. dr. ing.

Loss of the content of thiamine during the technological process in
the production of cookies. Kem ind 9 no.12:301-306 D '60.

1. Zavod za analitiku, znanstvenih namirnica Tehnoloskog fakulteta
Sveucilista, Zagreb.

PENDYUR, O.M.

Technique of preparing a bakelite paste and the method of
filling root canals. Uch. zap. Stavr. gos. med. inst. 12:
442-443 '63. (MIRA 17:9)

1. Kafedra terapevticheskoy stomatologii (zav. dotsent Ye.M.
Mor~~ova~~ova) Stavropol'skogo gosudarstvennogo meditsinskogo
instituta.

PENDYURIN, S. A.

647 Sportivnyye lgy moryakou l., "Mor. Transport." 1954. 48s s ill
20sm (Balt. basseynovyy kom prof. soyusa rabochikh mor. i rechnogo
flora). 1.250 ekz. 65k - (54-55263) p. 797

SO: Knizhnaya Letopis, Vol 1, 1955

URYVAYEVA, G.D.; PENDYURINA, T.Ye.; OGLOBLINA, T.Ye.

Effect of lime and gypsum on the process of hardening of tetra-calcium aluminoferrite. Izv. SO AN SSSR no.11 Ser.khim.nauk no. 3:21-25 '63. (MIRA 17:3)

1. Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.

PETROVICI, Al; BITTNER, J.; VOINESCO, Viorica. Collaborateur technique:
PENEA, C.

Variability of *Cl. perfringens*. II. Electrono-optic aspects of
the B.P.6K-P.1000 variant. Arch. roum. path. exp. microbial.
23 no.3:681-690 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service de Micro-
scopie Electronique et des Anerobies. Bucarest.

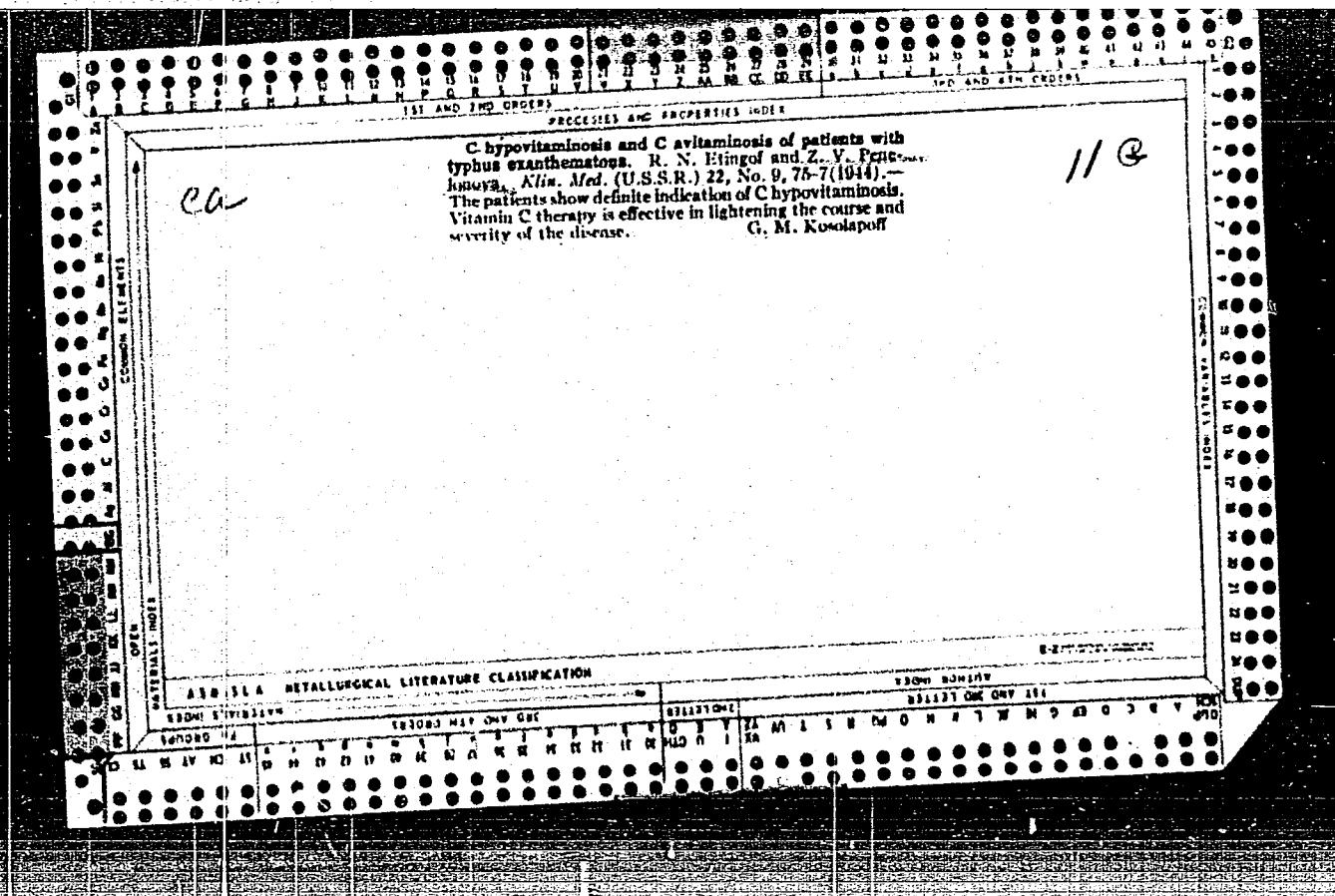
1. DAVIDSON, I.D.; PENEK, A.F.

2. USSR (600)

4. Electric Welding

7. Review of "Electric welder's manual." Engs. I.D. Davidson, A.F. Penek, Avtorg.delo.
24 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.



PENEK, N. V.

Cand Med Sci - (diss) "Treatment with ultrasonics of affections of the peripheral nervous system." Kiev, 1961. 20 pp; (Kiev Order of Labor Red Banner Medical Inst imeni Academician A. A. Bogomol'ts); 200 copies; price not given; (KL, 5-61 sup, 205)

PENEK, N.V.

Mechanism of the therapeutic effect of ultrasonic vibrations. Vop.
kur., fizioter.i lech.fiz.kul't. 27 no.2:135-139 Mr-Ap '62.
(MIRA 15:11)

1. Iz kafedry nervnykh bolezney Kiyevskogo meditsinskogo instituta
(zav. - deystvitel'nyy chlen AMN SSSR prof. B.N.Man'kovskiy).
(ULTRASONIC WAVES—THERAPEUTIC USE)

PENK, N.V.

Changes in the vascular tonus of patients with nerve diseases under
the influence of therapeutic doses of ultrasound. Vrach.delo no.9:
939-942 S '59. (MIRA 13:2)

1. Kafedra nervykh bolezney (zaveduyushchiy - deystvitel'nyy chlen
AMN SSSR, prof. B.N. Man'kovskiy) Kiyevskogo meditsinskogo instituta.
(NERVOUS SYSTEM--DISEASES) (BLOOD VESSELS)
(ULTRASONIC WAVES--PHYSIOLOGICAL EFFECT)

MAN'KOVSKIY, B.N., prof.; PENEK, N.V., aspirant

Clinical aspects, pathogenesis, and therapy of dermatomyositis
(collagenic form). Vrach.delo no.1:1255-1261 D '58. (MIRA 12:3)

1. Kafedra nervnykh bolezney (zav. - deyatel'nyy chlen AMN SSSR
prof. B.N. Man'kovskiy) Kiyevskogo meditinskogo instituta.
(MUSCLES--DISEASES)

MINTS, A.Ya., kand.med.nauk., PENEK, N.V., BURLIYAY, G.S. (Kiyev)

Cerebral genesis of exophthalmos. Klin.med. 36 no.9:35-40 8'58
(MIRA 11:10)

1. Iz AMN SSSR i kafedry nervnykh bolezney Kiyevskogo meditsinskogo
instituta imeni A.A. Bogomol'tsa (rukoveditel' gruppy AMN SSSR
i zav. kafedroy - deystvitel'nyy chlen AMN SSSR B.N. Man'kovskiy).
(EXOPHTHALMOS, etiol. & pathogen.

brain dis. (Rus))

(BRAIN, dis.
causing exophthalmos (Rus))

KUCHEROVA, L.L.; PENEK, N.V.

Changes in the blood sugar under the influence of ultrasonic waves. Vrach. delo no.9:144-145 S'63. (MIRA 16:10)

I. Kafedra nervnykh bolezney (zav. - prof. N.B.Man'kovskiy)
Kiyevskogo meditsinskogo instituta.
(BLOOD SUGAR) (ULTRASONIC WAVES—PHYSIOLOGICAL EFFECT)

PENEK, N.V.

GUREVICH, M.I., kand.med.nauk; MAN'KOVSKIY, N.B., kand.med.nauk; PENEK, N.V.

Therapeutic use of ultrasound in treating nervous diseases. Vrach.
delo no.10:1013-1017 O '57. (MIRA 10:12)

1. Laboratoriya krovoobrashcheniya i dykhaniya (rukovoditel' - deystv. chlen AMN SSSR, prof. N.N.Gorev), otdel eksperimental'noy i klinicheskoy nevrologii (zav. - chlen-korr. AN USSR. prof. A.F.Makarchenko) Instituta fiziologii im. A.A.Bogomol'tsa AN USSR i klinika nervnykh bolezney (zav. - deystv. chlen AMN SSSR, prof. B.N.Man'kovskiy) Kiyevskogo meditsinskogo instituta.

(ULTRASONIC WAVES--THERAPEUTIC WAVES)
(NERVOUS SYSTEM--DISEASES)

POPOVA, A.I., VASUTINSKAYA, L.A.; PENENKOV, B.L.

Two cases of systemic scleroderma. Sov.med. 26 no.1:120-122
(MIRA 16:4)
Ja '63.

1. Iz onkologicheskogo (zav. Ye.S.Podgrets) i nervnogo (zav.
Ye.P.Dmitriyeva) otdeleniy Basseynovoy bol'nitsy moryakov
Chernomorsko-Azovskogo vodzdravotdela, Odessa.
(SCLERODERMA)

PENENKOV, B.L. (Odessa)

Case of multiple histiocytoma of the skin. Arkh.pat. 24 no.5
71-73 '62. (MIRA 15:5)

1. Iz patologoanatomiceskogo otdeleniya (zav. - dotsent K.S.
Viner) Odesskogo okruzhnogo voyennogo gospitalya (nachal'nik
V.V. Pokrovskiy).

(SKIN--TUMORS)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920006-9

PENENKOV, B.L. (Voronezh)

Simplified staining of sections for quick biopsies.
Arkh. pat. 19 no.2:83 '57
(MIRA 10:4)
(STAINS AND STAINING (MICROSCOPY))

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239920006-9"

PENENKOV, B.L.

Benign tumors of aberrant lateral thyroid glands. Vest,khir. 86
no.2+86-87 '61. (MIRA 14:2)
(THYROID GLAND—TUMORS)

PENENZHEK, S.A. [Pieniążek, S.A.]

Polish fruitgrowing institute. Priroda 46 no.4:58-62
Ap '57. (MLRA 10:5)

1. Chlen-korrespondent Pol'skoy Akademii nauk (Varshava)
(Skieriewice, Poland--Fruit culture)

POLAND/Cultivated Plants. Fruits. Berries.

M

Abs Jour: Ref Zhur-Biol., No. 5, 1958, 20473.

Author : S.A. Penkzhek

Inst : Not given

Title : Horticulture in Sweden. (Sadovodstvo v Shvetsii).

Orig Pub: Przegl. ogrodn., 1956, 33, No 12, 30-32.

Abstract: Horticulture is widely developed in the southern part of Sweden. Apples, pears, cherries, sweet variety cherries, plums are cultivated; semi-dwarf trees with low trunks of 30-50 cm. The crowns form low. Recently 60% of the material (apples) planted in nurseries cultivated from stocks derived vegetatively were called An'narp 2. The testing station is located in the city of Al'narp where the stock mentioned was raised from the Dutch seedling. The trees in the gardens are planted at 6 X 4 or 5 X 5

Card : 1/2

MAKHKAMOV, K.; PENENZHTIK, M.A.; VIRNIK, A.D.; ROGOVIN, Z.A.

Development of methods to increase the light-fastness of
cotton and acetate-cellulose fabrics. Izv. vys. ucheb. zav.
tekhn. tekst. prom. no. 6:112-117 '63 (MIRA 17:8)

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TITLE: Design and realization of a sensitive element for automatic frequency control

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 2, 1962, abstract 2-2-100ch (Automat. și electron., 1961, 5, no. 1, 13-21)

TEXT: A circuit diagram is presented, with an analysis and design method for a frequency changer in power networks. The changer is designed as a differential unit comprising a passive quadripole, at whose output the voltage phase varies with change of frequency, the amplitude remaining constant. It is confirmed that such circuits can be used for v.h.f. stabilization. ["Abstracter's note: Complete translation.] /B

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ACC NR: AP6026113

SOURCE CODE: RU/0011/65/009/003/0097/0107

AUTHOR: Penescu, C. (Professor; Corresponding member ARPR); Roisman, W. (Engineer)

ORG: none

24
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TITLE: Analog calculation blocks used to achieve a new type of protection relay of power systems

SOURCE: Automatica si electronica, v. 9, no. 3, 1965, 97-107

TOPIC TAGS: electric relay, transistorized circuit

ABSTRACT: The authors describe a new type of transistorized remote-controlled relay designed for the protection of a high-frequency line. The method for obtaining any desired elliptical or circular characteristics is shown, and some typical circuits with the corresponding experimentally obtained results are presented. Orig. art. has: 15 figures, 14 formulas and 2 tables. [Based on authors' Eng. abst.] [JPRS: 32,482]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 004

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1. Chair of Automation, Polytechnic Institute, Bucharest.

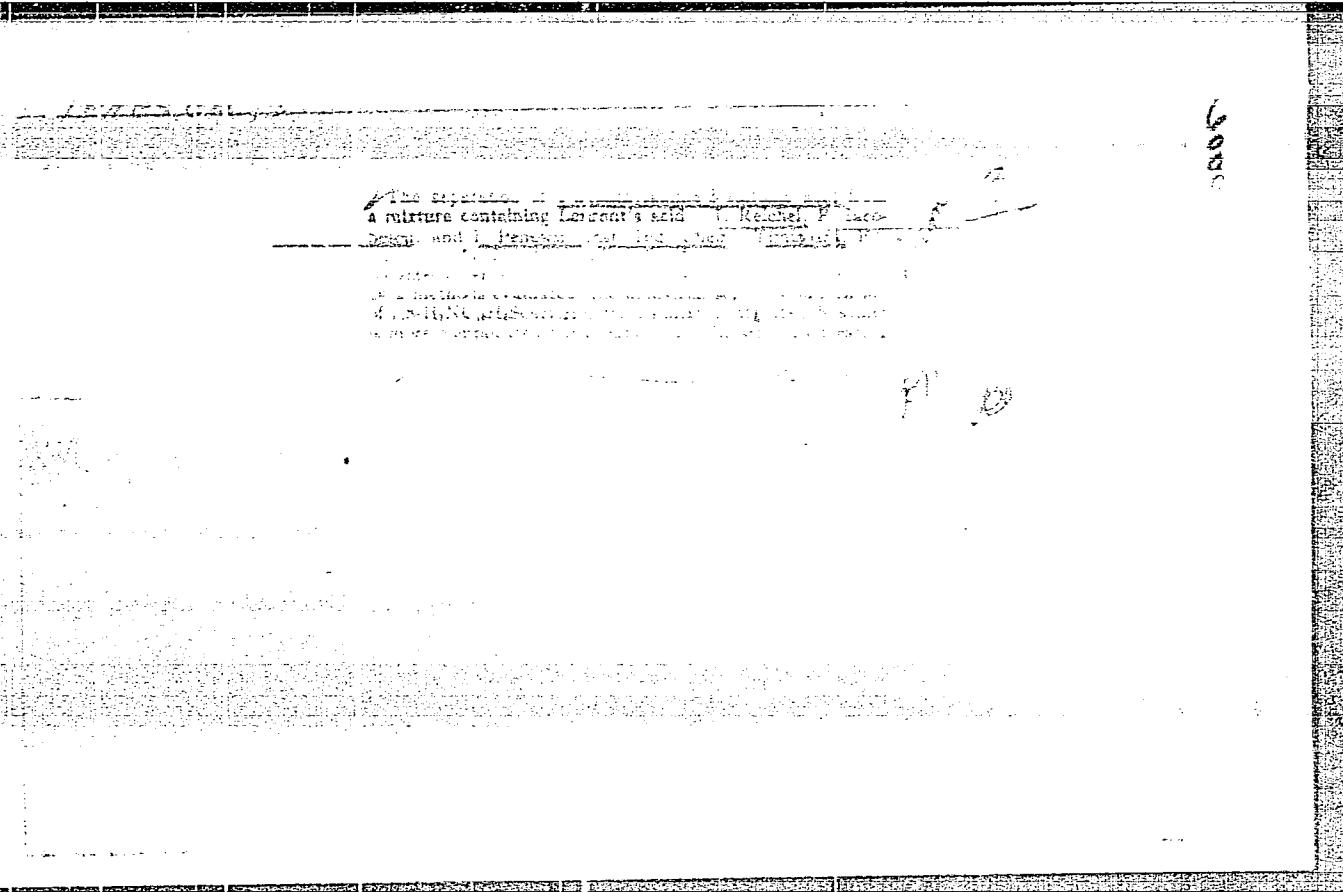
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